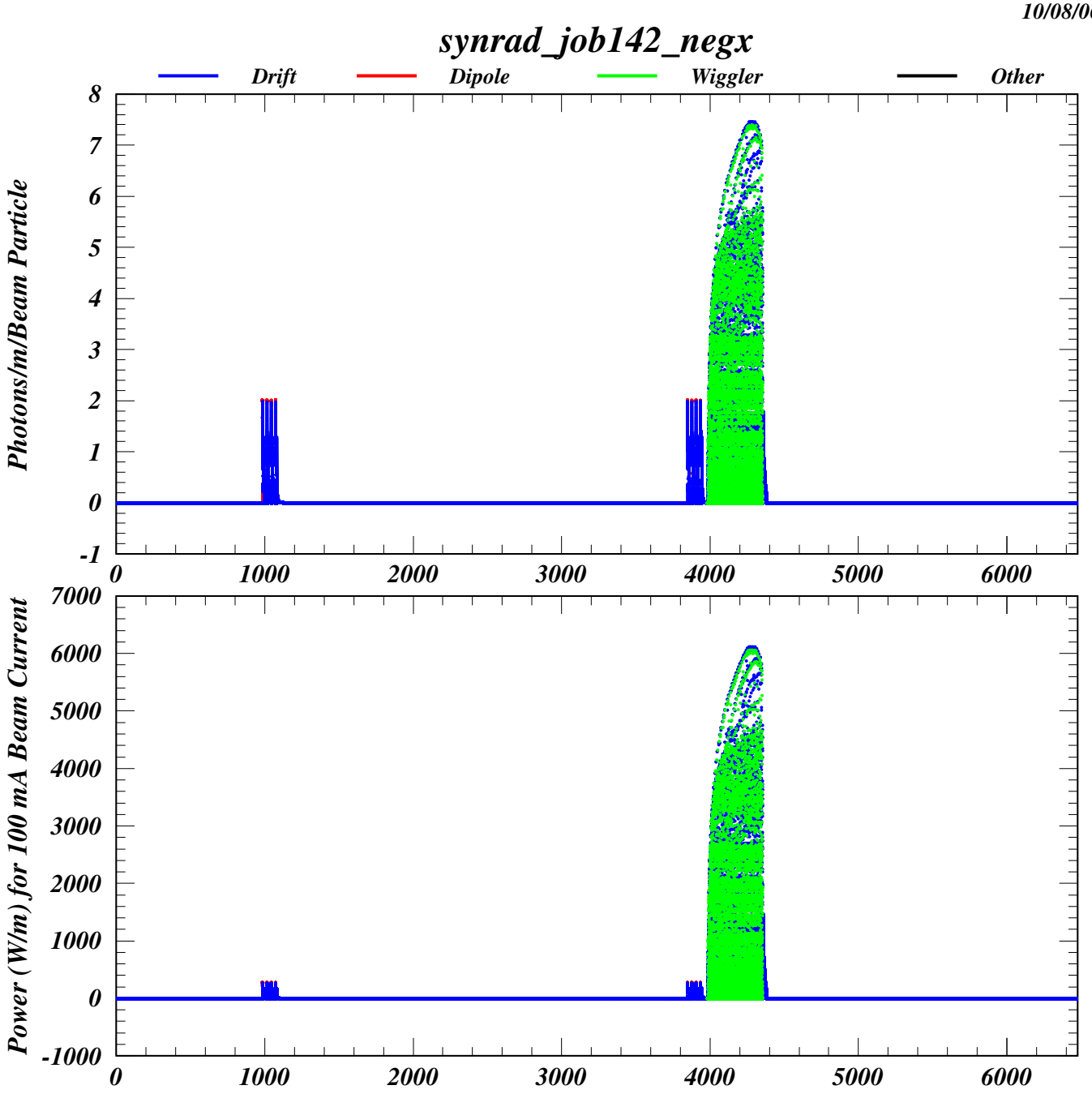
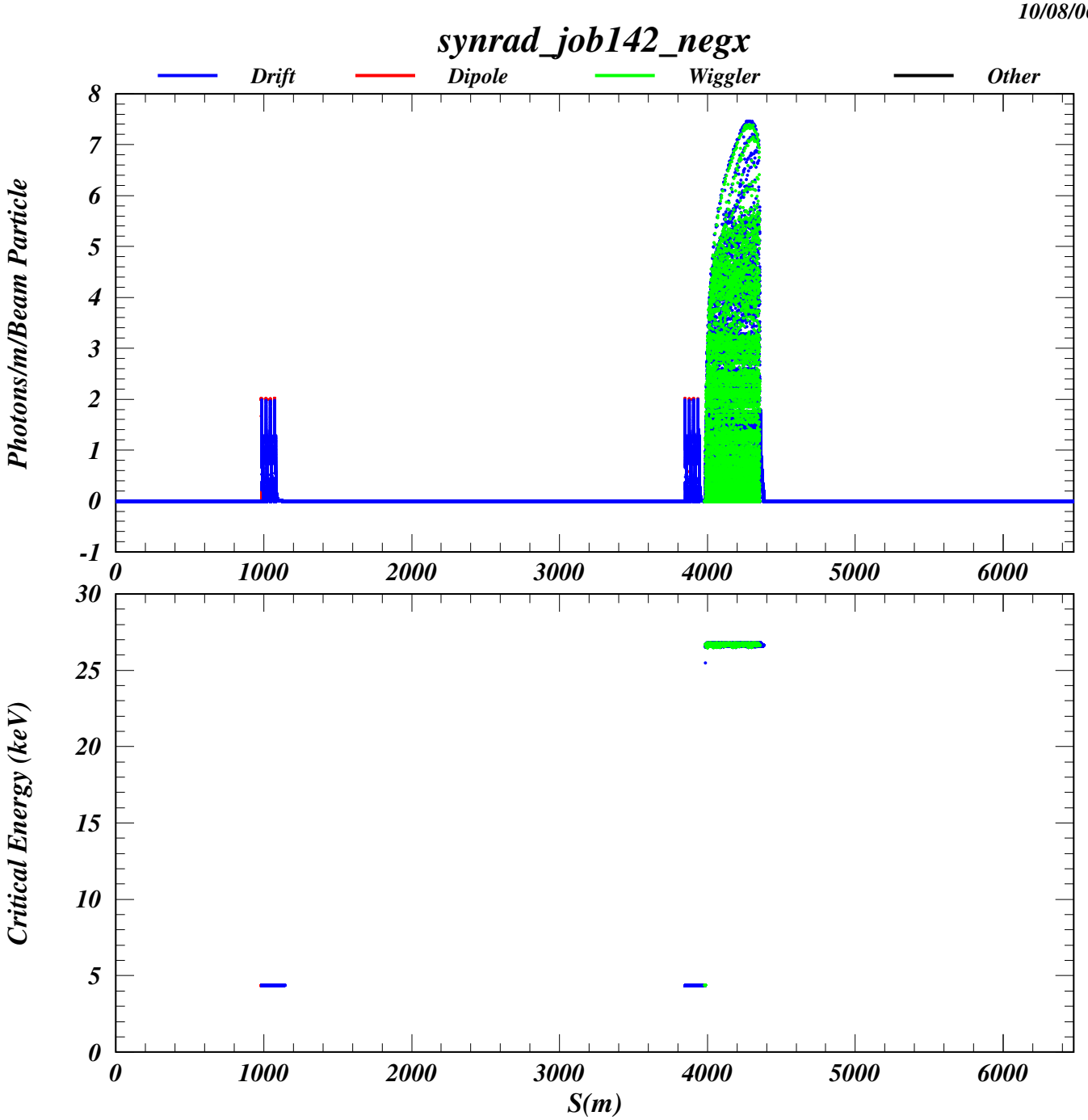
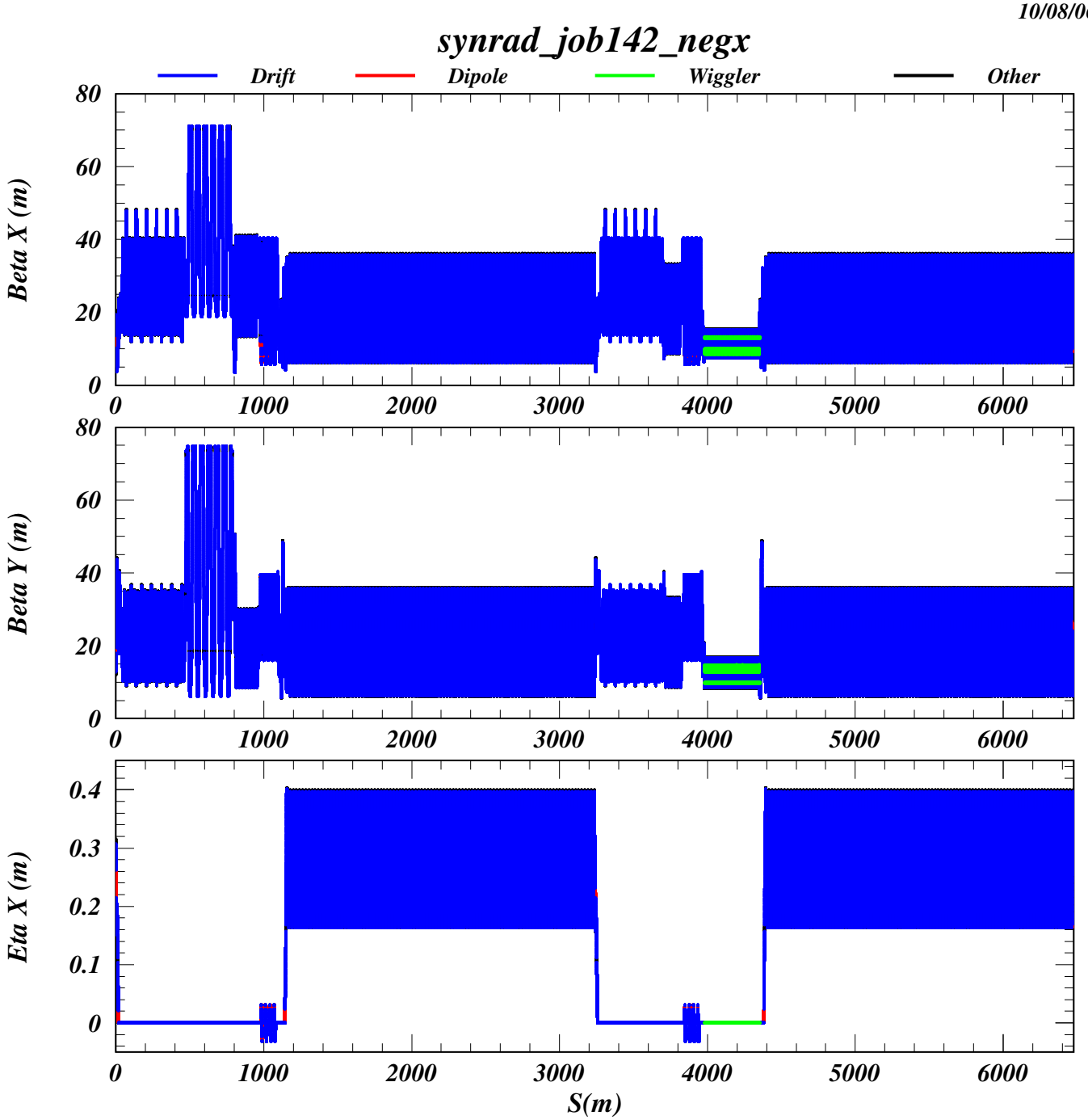
10/08/06 13.15


synrad_job142_negx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
8
7
6
5
4
3
2
1
0
-1
0
1000
2000
3000
4000
5000
6000
Power (W/m) for 100 mA Beam Current
7000
6000
5000
4000
3000
2000
1000
0
-1000
0
1000
2000
3000
4000
5000
6000

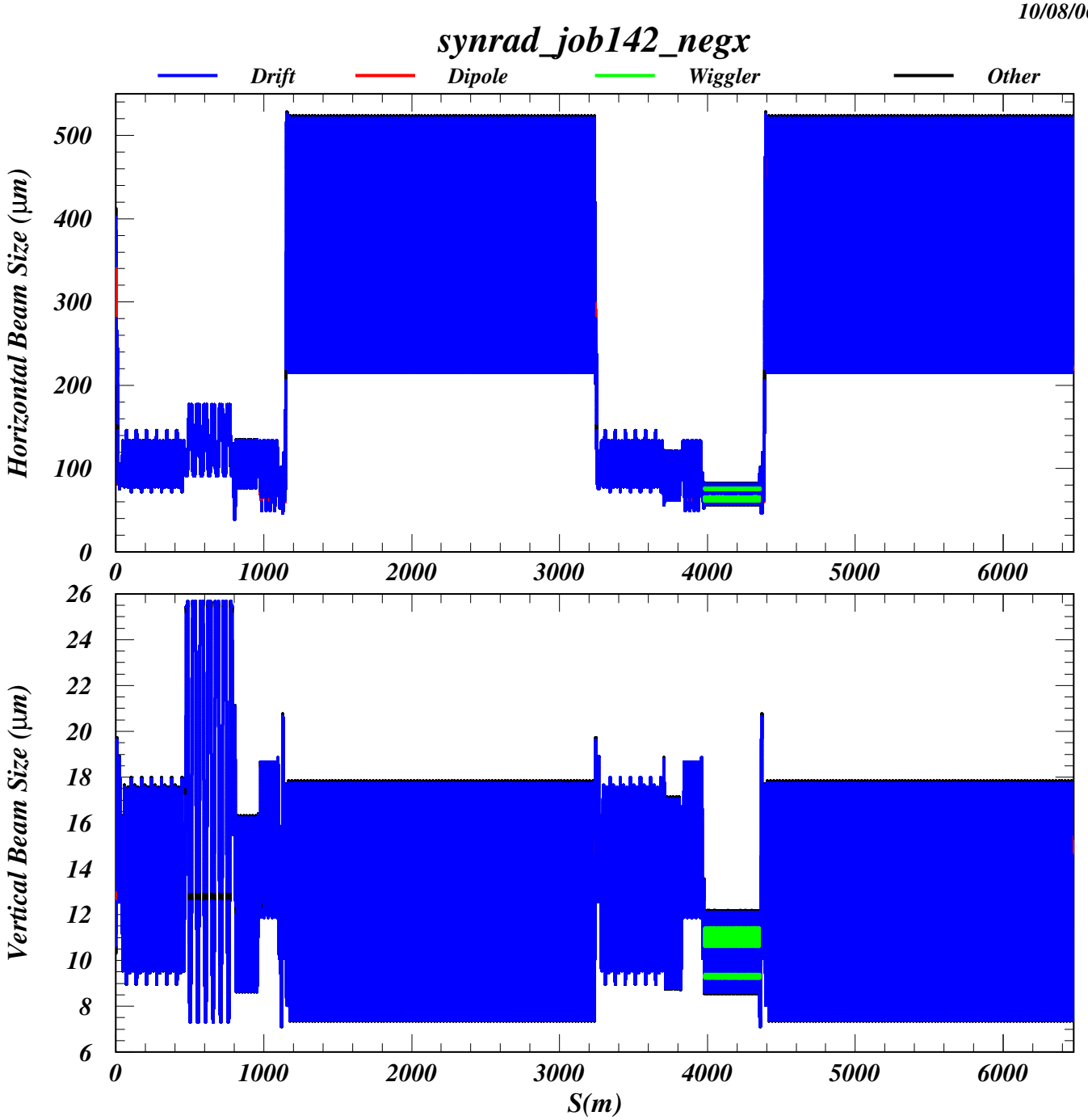
10/08/06 13.16


synrad_job142_negx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
8
7
6
5
4
3
2
1
0
-1
0
1000
2000
3000
4000
5000
6000
Critical Energy (keV)
30
25
20
15
10
5
0
0
1000
2000
3000
4000
5000
6000
S(m)

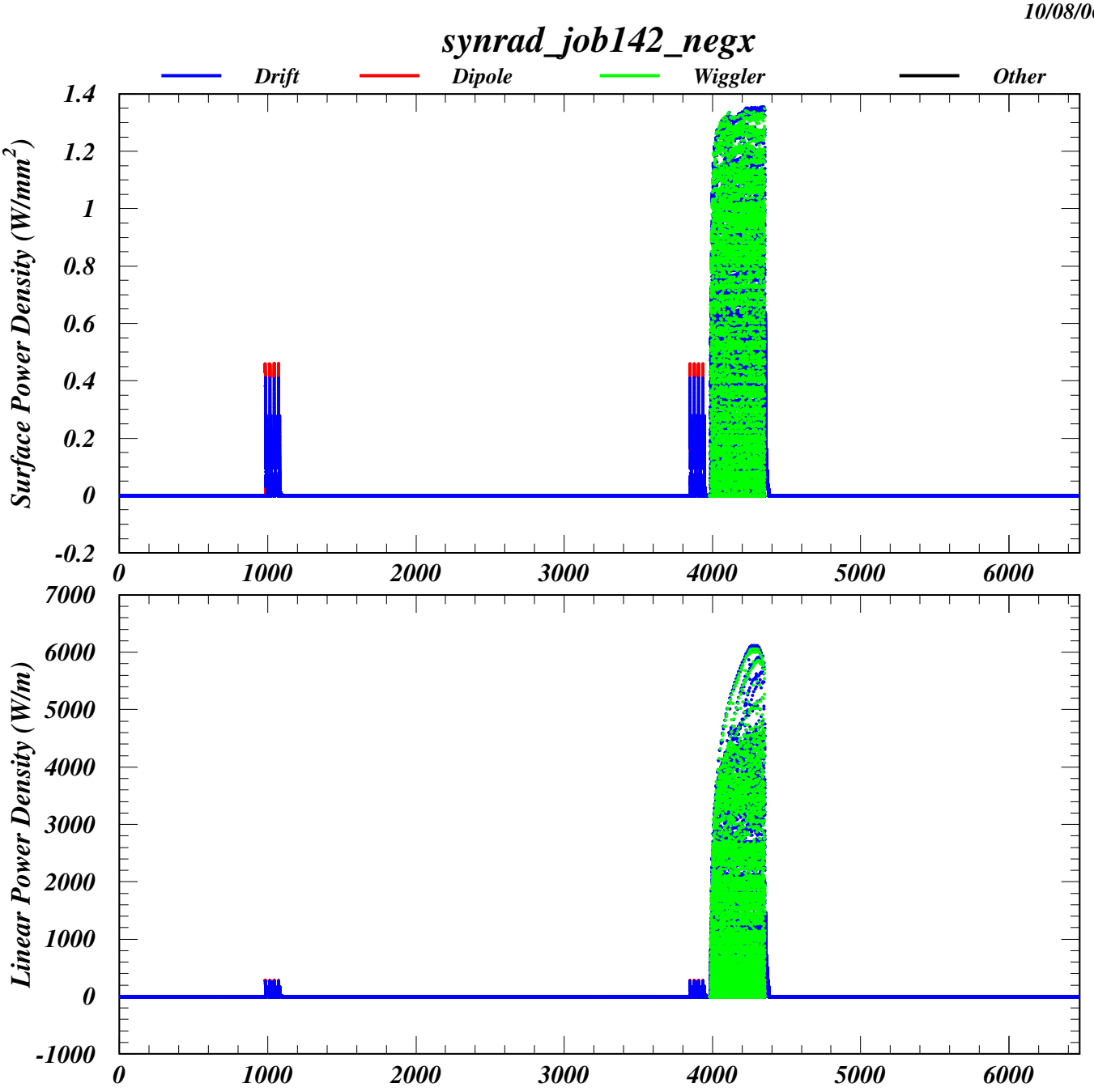
10/08/06 13.16


synrad_job142_negx
Drift
Dipole
Wiggler
Other
Beta X (m)
Beta Y (m)
Eta X (m)
S(m)
0
20
40
60
80
0.1
0.2
0.3
0.4
1000
2000
3000
4000
5000
6000

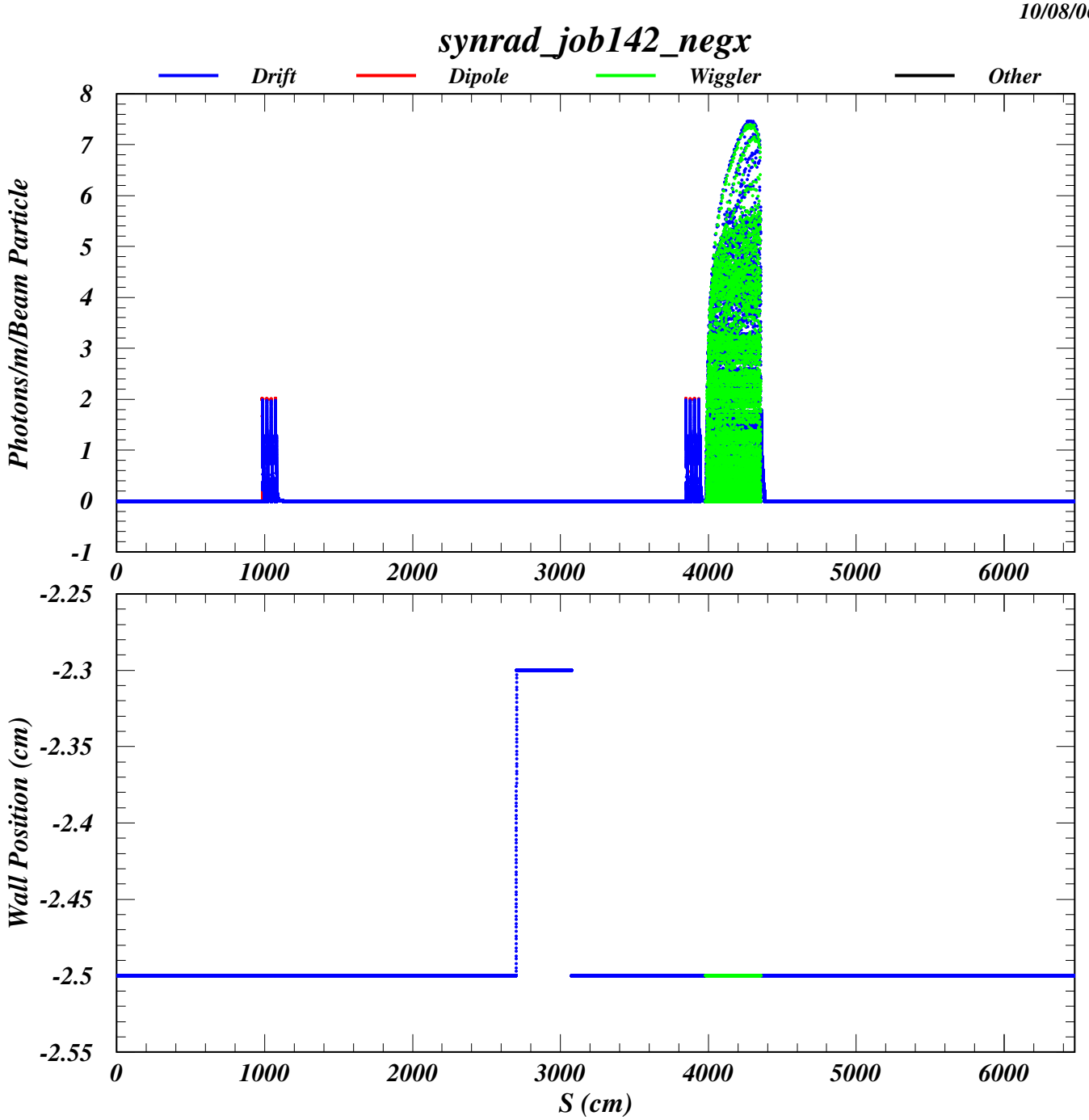
10/08/06 13.18


synrad_job142_negx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
0
100
200
300
400
500
0
1000
2000
3000
4000
5000
6000
Vertical Beam Size (μm)
6
8
10
12
14
16
18
20
22
24
26
S(m)

10/08/06 13.19


synrad_job142_negx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm^2)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
1000
2000
3000
4000
5000
6000
Linear Power Density (W/m)
7000
6000
5000
4000
3000
2000
1000
0
-1000
0
1000
2000
3000
4000
5000
6000

10/08/06 13.20


synrad_job142_negx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
8
7
6
5
4
3
2
1
0
-1
0
1000
2000
3000
4000
5000
6000
Wall Position (cm)
-2.25
-2.3
-2.35
-2.4
-2.45
-2.5
-2.55
0
1000
2000
3000
4000
5000
6000
S (cm)